



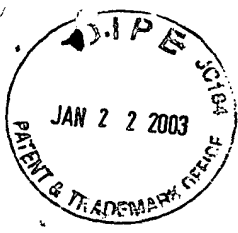
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TECH CENTER 1600/2900

5' GCC CGA GCA CGC CGC GGA GCC CGG ACC TCC CTC GGA CGC TCT GCC CCG GCC ATG M 54
9 18 27 36 45
63 72 81 90 99 108
GGG TCG CTG CTG CCA CTG CTC TGT CTC TGT GTC GTC GCT GCG CAC CTG GCG GGG
A S L L P L L C L C V V A A H L A G
117 126 135 144 153 162
GCC CGA GAC GCC ACC CCC ACC GAG GAG CCA ATG GCG ACT GCA CTG GGC CTG GAA
A R D A T P T E E P M A T A L G L E
171 180 189 198 207 216
AGA CGG TCC GTG TAC ACC GGC CAG CCC TCA CCA GCC CTG GAG GAC TGG GAA GAG
R R S V Y T G Q P S P A A L E D W E E
225 234 243 252 261 270
GCC AGC GAG TGG ACG TCC TGG TTC AAC GTG GAC CAC CCC GGA GGC GAC GGC GAC
A S E W T S W F N V D H P G G D G D
279 288 297 306 315 324
TTC GAG AGC CTG GCT GCC ATC CGC TTC TAC TAC TAC GGG CCA CCG CGC GTG TGC CCG
F E S L A A I R F Y Y G P A R V C P
333 342 351 360 369 378
CGA CCG CTG GCG CTG GAG GCG CGC ACC ACG GAC TGG GCC CTG CCG TCC GCC GTC
R P L A L E A R T T D W A L P S A V

FIGURE 1A



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387	GGC GAG CGC GTG CAC TTG AAC CCC ACG CGC GGC TTC TGG TGC CTC AAC CGC GAG	405	414	423	432
	G E R V H L N P T R G F W C L N R E				
441	CAA CCG CGT GGC CGC TGC TCC AAC TAC CAC GTG CGC TTC CGC TGC CCA CTA	459	468	477	486
	Q P R G R C S N Y H V R F R C P L				
495	GAA GCC TCG TGG GGC GCG TGG GGC CCG TGG GGT CCC TGC TCG GGC AGC TGT GGG	513	522	531	540
	E A S W G A W G P W G P C S G S C G				
549	CCA GGC CGT CGC TTG CGC CGC CGC CAC TGC CCA AGC CCC GCT GGC GAT GCG TGT	567	576	585	594
	P G R R L R R R H C P S P A G D A C				
603	CCC GGC CGT CCT CTG GAG GCG CAG AAG TGC GTG CGG CCT CGG TGT CCA GGC TGC	621	630	639	648
	P G R P L E A Q K C V R P R C P G C				
657	AGC CTT GAC ACC TGT GAA TGC CCG GAC CAC ATC CTC CTG GGC TCG GTG GTC ACC	675	684	693	702
	S L D T C E C P D H I L L G S V V T				
711	CCA TCT GGC CAA CCA CTG CTA GGA GCC AGG GTC TCC CTG CGA GAC CAG CCT GGC	729	738	747	756
	P S G Q P L L G A R V S L R D Q P G				

FIGURE 1B

JAN 22 2003

Docket No.: PF-0420-2 DIV

Inventors: Magna et al.

Title: HUMAN NUCLEOTIDE PYROPHOSPHOHYDROLASE-2

Serial No.: 09/757,716

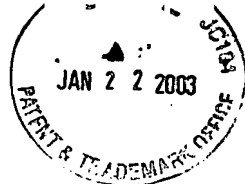
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765	774	783	792	801	810
ACT GTG GCC ACC AGC GAT GCT CAC GGA ACC TTC CGG GTG CCT GGT GTC TGT GCT					
T V A T S D A H G T F R V P G V C A					
819	828	837	846	855	864
GAC AGC CGC GCC AAC ATC AGG GCC CAG ATG GAT GGC TTC TCT GCA GGG GAG GCC					
D S R A N I R A Q M D G F S A G E A					
873	882	891	900	909	918
CAG GCC CAG GCC AAC GGA TCC ATC TCT GTG GTC ACC ATC ATC CTT GAT AAG TTG					
Q A Q A N G S I S V V T I I L D K L					
927	936	945	954	963	972
GAG AAG CCG TAC CTG GTG AAA CAC CCT GAG TCC CGA GTG CGA GAG GCT GGC CAG					
E K P Y L V K H P E S R V R E A G Q					
981	990	999	1008	1017	1026
AAT GTG ACT TTC TGC TGC AAA GCC TCC GGG ACC CCC ATG CCC AAG AAA TAC TCC					
N V T F C C K A S G T P M P K K Y S					
1035	1044	1053	1062	1071	1080
TGG TTC CAC AAT GGG ACC CTG CTG GAC AGG CGA GCT CAT GGG TAC GGG GCC CAC					
W F H N G T L L D R R A H G Y G A H					
1089	1098	1107	1116	1125	1134
CTG GAG CTS CGG GGA CTG CGC CCA GAC CAG GCT GGC ATC TAC CAC TGC AAG GCA					
L E L R G L R R P D Q A G I Y H C K A					

FIGURE 1C



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1143 1152 1161 1170 1179 1188
TGG AAT GAG GCG GGT GCC GTG CGC TCG GGC ACT GCC CGG CTC ACT GTA CTT GCC
W N E A G A V R S G T A R L T V L A

1197 1206 1215 1224 1233 1242
CCA GGC CAG CCA GCC TGC GAC CCC CGG CCC CGA GAG TAC CTG ATC AAG CTC CCT
P G Q P A C D P R P R E Y L I K L P

1251 1260 1269 1278 1287 1296
GAG GAC TGT GGT CAG CCA GGT AGT GGC CCT GCC TAC CTG GAT GTG GGC CTC TGT
E D C G Q P G S G P A Y L D V G L C

1305 1314 1323 1332 1341 1350
CCC GAC ACC CGC TGC CCC AGC CTG GCA GGC TCC AGC CCC CGC TGC GGC GAC GCC
P D T R C P S L A G S S P R C G D A

1359 1368 1377 1386 1395 1404
AGC TCC CGC TGC TGT TGT GTG CGC CGT CTG GAG AGA AGG GAG ATT CAC TGC CCT
S S R C C S V R R L E R R E I H C P

1413 1422 1431 1440 1449 1458
GGC TAC GTC CTC CCA GTG AAG GTG GTG GCA GAG TGT GGC TGC CAG AAG TGT CTG
G Y V L P V K V V A E C G C Q K C L

1467 1476 1485 1494 1503 1512
CCC CCT CGG GGC CTG GTC CGG GGC CGT GTT GTG GCT GCT GAC TCC GGC GAG CCG
P P R G L V R G R V V A A D S G E P

FIGURE 1D

JAN 22 2003
PATENT
50104

1521	1530	1539	1548	1557	1566
CTA CGC TTC GCC AGG ATT CTG CTG GGC CAG GAG CCC ATC GGC TTC ACC GCC TAC					
L R F A R I L L G Q E P I G F T A Y					
1575	1584	1593	1602	1611	1620
CAG GGC GAC TTT ACC ATT GAG GTG CCG CCC TCC ACC CAG CGG CTG GTG ACT					
Q G D F T I E V P P S T Q R L V T					
1629	1638	1647	1656	1665	1674
TTT GTG GAC CCC AGC GGT GAG TTC ATG GAC GTC GCT GTC CGG GTC CCT TTT GAT					
F V D P S G E F M D A V R V L P F D					
1683	1692	1701	1710	1719	1728
CCT CGA GGT GCC GTG TAC CAC GAG GTC AAG GCC ATG CGG AAG AAA GCC CCG					
P R G A G V Y H E V K A M R K K A P					
1737	1746	1755	1764	1773	1782
GTC ATT TTA CAT ACC AGC CAG AGC AAC ACG ATC CCC CTG GGC GAG CTG GAA GAT					
V I L H T S Q S N T I P L G E L E D					
1791	1800	1809	1818	1827	1836
GAG GCG CCC CTG GGC GAG CTG GTC CTG CCT TCT GGC GCT TTC CGC AGA GCC GAC					
E A P L G E L V L P S G A F R R A D					
1845	1854	1863	1872	1881	1890
GGC AAA CCC TAC TCG GGG CCT GTG GAG GCC CGG GTG ACG TTC GTG GAC CCC CGA					
G K P Y S G P V E A R V T F V D P R					

FIGURE 1E



1899	1908	1917	1926	1935	1944
GAC CTC ACC TCG GCG GCG TCT GCC CCC AGT GAC CTG CGC TTC GTG GAC AGC GAC					
D L T S A A S A P S D L R F V D S D					
1953	1962	1971	1980	1989	1998
GGC GAG CTG GCT CCA CTG CGC ACC TAC GGC ATG TTC TCC GTG GAC CTC CGT GCG					
G E L A P L R T Y G M F S V D L R A					
2007	2016	2025	2034	2043	2052
CCC GGC TCC GCG GAG CAG CTG CAG GTG GGG CCG GTG GCC GTG GCG GCC GCC					
P G S A E Q L Q V G P V A V R V A A					
2061	2070	2079	2088	2097	2106
AGC CAG ATC CAC ATG CCA GGC CAC GTG GAG GCC CTC AAG CTG TGG TCG CTG AAC					
S Q I H M P G G H V E A L K L W S L N					
2115	2124	2133	2142	2151	2160
CCC GAG ACC GGC TTG TGG GAG GAG AGC AGC GGC TTC CGG CGC GAG GGG TCC TCG					
P E T G L W E E E S G F R R E G S S					
2169	2178	2187	2196	2205	2214
GGC CCC CGG GTG CGC CGG GAG GAG CGC GTC TTC CTG GTG GGC AAC GTG GAG ATC					
G P R V R R E E E R V F L V G N V E I					
2223	2232	2241	2250	2259	2268
CGG GAG CGG CTG TTC AAT CTG GAC GTG CCT GAG CGC CGC CGC TGC TTC GTG					
R E R R L F N L D V P E R R R C F V					

FIGURE 1F



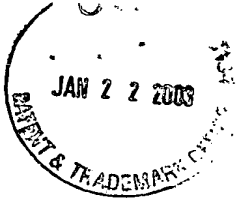
2277	2286	2295	2304	2313	2322
AAG GTG CGC GCC TAC GCC AAC GAC AAG TTC ACC CCC AGC GAG CAG GTG GAG GGC					
K V R A Y A N D K F T P S E Q V E G					
2331	2340	2349	2358	2367	2376
GTG GTG GTC ACG CTG GTC AAT CTG GAG CCC GCC CCC GGC TTC TCC GCC AAC CCC					
V V V T L V N L E P A P G F S A N P					
2385	2394	2403	2412	2421	2430
CGT GCC TGG GGC CGC TTT GAC AGC GCG GTC ACC GGC CCC AAT GGC GCC TGC CTC					
R A W G R F D S A V T G P N G A C L					
2439	2448	2457	2466	2475	2484
CCC GCC TTC TGC GAC GCC GAC AGG CCA GAC GCC TAC ACC GCC CTG GTC ACC GCC					
P A F C D A D R P D A Y T A L V T A					
2493	2502	2511	2520	2529	2538
ACC CTG GGC GGC GAG CTG GAG CCG GCC CCT TCC TTG CCC CGC CCA CTC CCG					
T L G G E E L E P A P S L P R P L P					
2547	2556	2565	2574	2583	2592
GCC ACC GTG GGC GTC ACC CAG CCC TAC CTG GAC AGG CTG GGC TAC CGT CGG ACG					
A T V G V T Q P Y L D R L G Y R R T					
2601	2610	2619	2628	2637	2646
GAC CAC GAC GAT CCC GCC TTC AAG CGT AAC GGC TTC CGC ATC AAC CTC GCC AAG					
D H D D P A F K R N G F R I N L A K					

FIGURE 1G



2655	2664	2673	2682	2691	2700
CCC AGG CCA GGT GAC CCC GCC GAG GCC AAT GGG CCT GTG TAC CCG TGG CGC AGC					
P R P G D P A E A N G P V Y P W R S					
2709	2718	2727	2736	2745	2754
CTG CGG GAA TGC CAG GGG GCC CCG GTG ACT GCC AGC CAC TTC CGC TTC GCC AGG					
L R E C Q G A P V T A S H F R A R					
2763	2772	2781	2790	2799	2808
GTG GAG GCG GAC AAG TAC GAG TAC AAC GTG GTC CCC TTC CGA GAG GGC ACA CCT					
V E A D K Y E Y N V V P F R E G T P					
2817	2826	2835	2844	2853	2862
GCC TCC TGG ACT GGC GAT CTC CTG GCC TGG TGG CCC AAC CCG CAG GAG TTC CGG					
A S W T G D L L A W W P N P Q E F R					
2871	2880	2889	2898	2907	2916
GCC TGC TTC CTC AAG GTG AAG ATC CAG GGT CCC CAG GAG TAT ATG GTC CGC TCC					
A C F L K V K I Q G P Q E Y M V R S					
2925	2934	2943	2952	2961	2970
CAC AAC GCA GGG GGC AGC CAC CCA CGC ACC CGC GGC CAG CTC TAC GGA CTT CGG					
H N A G G S H P R T R G Q L Y G L R					
2979	2988	2997	3006	3015	3024
GAT GCC CGG AGT GTG CGA GAC CCC GAG CGT CCG GGC ACC TCG GCA GCC TGC GTG					
D A R S V R D P E R P G T S A A C V					

FIGURE 1H



3033	3042	3051	3060	3069	3078
GAG TTC AAG TGC AGC GGG ATG CTG TTC GAC CAG CGG CAG GTG GAC AGG ACG CTG					
E F K C S G M L F D Q R Q V D R T L					
3087	3096	3105	3114	3123	3132
GTG ACC ATT ATG CCC CAG GGC AGC TGC CGG CGC GTG GCC GTC AAC GGA CTC CTT					
V T I M P Q G S C R R V A V N G L L					
3141	3150	3159	3168	3177	3186
CGG GAT TAC CTG ACC CGG CAC CCC CCA CCG CTG CCC GCG GAG GAC CCA GCT GCC					
R D Y L T R H P P P V P A E D P A A					
3195	3204	3213	3222	3231	3240
TTC TCC ATG CTG GCC CCC CTA GAC CCT CTG GGC CAC AAC TAT GGC GTC TAC ACT					
F S M L A P L D P L G H N Y G V Y T					
3249	3258	3267	3276	3285	3294
GTC ACT GAC CAG AGC CCA CGC TTG GCC AAG GAG ATC GCC ATT GGC CGC TGC TTT					
V T D Q S P R L A K E I A I G R C F					
3303	3312	3321	3330	3339	3348
GAT GGT TCC TCT GAC GGY TTC TCC AGA GAG ATG AAG GCT GAT GCC GGC ACA GCC					
D G S S D G G F S R E M K A D A G T A					
3357	3366	3375	3384	3393	3402
GTC ACC TTC CAG TGC CGG GAG CCA CCG GCC GGA CGA CCC AGC CTC TTC CAG AGG					
V T F Q C R E P P A G R P S L F Q R					

FIGURE 1I



3411	3420	3429	3438	3447	3456
CTG CTG GAG TCC CCG GCG ACA GCA CTT GGT GAC ATC CGC AGG GAG ATG AGC GAG					
L L E S P A T A L G D I R R E M S E					
3465	3474	3483	3492	3501	3510
GCG GCG CAG GCA CAG GCC CCG GCC TCA GGT CCC CTC CGC ACC CGC CGG GGT AGG					
A A Q A Q A R A S G P L R T R G R					
3519	3528	3537	3546	3555	3564
GTC CGG CAG TGA CCT GGG CAG GGG CCT CGC TTT CCC ACC TCC CTC CAG ACT CCT					
V R Q					
3573	3582	3591	3600	3609	3618
TTG ACC CCA GGA AGT TTT GCC CCT CCT TCT TCT CCA GAC AGC CCC CTC CCC AGG					
3627	3636	3645	3654	3663	3672
TGT CTG GGT CCC CTT TCC CGC CCC TTT CCA GAA CTC AGA GTC AGA CAA GAA CCC					
3681	3690	3699	3708	3717	3726
AGA GCA TCC GAT GGT AGA AAC ACC AGG AAG ACA ATT GTT GCT GTG TGG TAT GGA					
3735	3744	3753	3762	3771	3780
ATG GAG TTT GCG GTG ACT CTG GGG CCA GCA CCC AGG GGA CGA CGT TCA ACC CTA					
3789	3798	3807	3816	3825	3834
GCC TGA AGG GAC CCG CTC CCA GCT CAG AAG CCG TCT CTG ACT TCT CGT GCG TAT					

FIGURE 1J



3843	3852	3861	3870	3879	3888
TTT GAC CCT GAT TTC AAT CTT CTA CCC TTG GGA GTT CTG GCG TTT GGC ACA AAG					
3897	3906	3915	3924	3933	3942
TCC CCT CTG CCT GTT TGG AGC TCA GTG CTA GAC CAG GTC CCC TGC CCC GAG CTT					
3951	3960	3969	3978	3987	3996
TGT TTT TGG GGT TAT TTA TTG AAA CAA AGT GTG GGG AGC TGG TTG TGG GTG TGA					
4005	4014	4023	4032	4041	4050
GTG GGG GTG TGG GGT CCA GGC TGG GCC CAG TGA AAA GGA GGA AGG GGT TCC CAT					
V G V W G P G W A Q					
4059	4068	4077	4086	4095	4104
GCG GGG GAG GCT CTG GGG CTG AGG GGA ACA ATT CTC ACG TGT TTG GTG CTT AGA					
4113	4122	4131	4140	4149	4158
GAC CTG CCC GGG GCG TTG GGC AGG CCC TCC GGG GGC TGA ATT AAA AAT GCT TTA					
4167	4176				
TTT CCA AAA AAA AAA AAA AAA NAA A 3'					

FIGURE 1K

1 MAS - - - - L L P L L C L C V V A A H L A G A R D A T P T E E P M A T A L G L NTPPH-2
 1 M V G T K A W F S F L V L - E V T S V L G - - R Q T M L T Q S V R R V Q P G K NTPPH-1
 37 E R R S V Y T G Q P S P A L E D W E E A S E W T S W F N V D H P G G D G D F E S NTPPH-2
 38 K N P S I F A - K P A D T L E - - - S P G E W T T W F N I D Y P G G K G D Y E R NTPPH-1
 77 L A A I R F Y Y G P A R V C P R P L A L E A R T T D W A L P S A V G E R V H L N NTPPH-2
 74 L D A I R F Y Y G - D R V C A R P L R L E A R T T D W T P A G S T G Q V V H G S NTPPH-1
 117 P T R G F W C L N R E Q P R G R R C S N Y H V R F R C P - - - - - L E A S W NTPPH-2
 113 P R E G F W C L N R E Q R P G Q N C S N Y T V R F L C P P G S L R R D T E R I W NTPPH-1
 150 G A W G P W G P C S G S C G P - G R R L R R R H C P S P A G D A C P G R P L E A NTPPH-2
 153 S P W S P W S K C S A A C G Q T G V Q T R T R I C L A E M V S L C S E A S E E G NTPPH-1
 189 Q K C V R P R C P G C S L - - - - - D T C E C P D H I L L G S V V T NTPPH-2
 193 Q H C M G Q D C T A C D L T C P M G Q V N A D C D A C M C Q D F M L H G A V S L NTPPH-1
 218 P S G O P L L G A R V S L R D Q - P G T V A T S D A H G T F R V P G V C A D S R NTPPH-2
 233 P G G A P A S G A A I Y L L T K T P K L L T Q T D S D G R F R I P G L C P D G K NTPPH-1
 257 A N I R A Q M D G F S A - G E A Q A O A N G S I S V V T I I L D K L E K P Y L V NTPPH-2
 273 S I L K I T K V K F A P I V L T M P K T S L K A A T I K A E F V R A E T P Y M V NTPPH-1
 296 K H P E S R V R E A G Q N V T F C C K A S G T P M P K K Y S W F H N G T L L D R NTPPH-2
 313 M N P E T K A R R A G O S V S L C C K A T G K P R P D K Y F W Y H N D T L L D P NTPPH-1
 336 R A H G Y G A H L E L R G L R P D Q A G I Y H C K A W N E A G A V R S G T A R L NTPPH-2
 353 S L Y K H E S K L V L R K L Q Q H Q A G E Y F C K A Q S D A G A V K S K V A Q L NTPPH-1

FIGURE 2A



376	T	V	L	A	P	G	O	P	A	C	D	P	R	P	R	E	Y	L	I	K	L	P	E	D	C	G	Q	P	G	S	G	P	A	Y	L	D	V	G	L	C	NTPPH-2
393	I	V	I	A	S	D	E	T	P	C	N	P	V	P	E	S	Y	L	I	R	L	P	H	D	C	F	Q	N	A	T	N	S	F	Y	Y	D	V	G	R	C	NTPPH-1
416	P	D	T	R	C	P	S	L	A	G	S	S	P	R	C	G	D	A	S	S	R	C	C	S	V	R	R	L	E	R	R	E	I	H	C	P	G	Y	V	L	NTPPH-2
433	P	V	K	T	C	A	G	Q	Q	D	N	G	I	R	C	R	D	A	V	Q	N	C	C	G	I	S	K	T	E	E	R	E	I	Q	C	S	G	Y	T	L	NTPPH-1
456	P	V	K	V	V	A	E	C	G	C	Q	K	C	L	P	P	R	G	L	V	R	G	R	V	V	A	A	D	S	G	E	P	L	R	F	A	R	I	L	L	NTPPH-2
473	P	T	K	V	A	K	E	C	S	C	Q	R	C	T	E	T	R	S	I	V	R	G	R	V	S	A	A	D	N	G	E	P	M	R	F	G	H	V	Y	M	NTPPH-1
496	G	Q	E	P	I	G	F	T	A	Y	Q	G	D	F	T	I	E	V	P	P	S	T	Q	R	L	V	V	T	F	V	D	P	S	G	E	F	M	D	A	V	NTPPH-2
513	G	N	S	R	V	S	M	T	G	Y	K	G	T	F	T	L	H	V	P	Q	D	T	E	R	L	V	L	T	F	V	D	R	L	Q	K	F	V	N	T	T	NTPPH-1
536	R	V	L	P	F	D	P	R	G	A	V	Y	H	E	V	K	A	M	R	K	K	A	P	V	I	L	H	T	S	Q	S	N	T	I	P	L	G	E	L		NTPPH-2
553	K	V	L	P	F	N	K	K	G	S	A	V	F	H	E	I	K	M	L	C	R	K	E	P	I	T	L	E	A	M	E	T	N	I	I	P	L	G	E	V	NTPPH-1
576	E	D	E	A	P	L	G	E	L	V	L	P	S	G	A	F	R	R	A	D	G	K	P	Y	S	G	P	V	E	A	R	V	T	F	V	D	P	R	D	L	NTPPH-2
593	V	G	E	D	P	M	A	E	L	E	I	P	S	R	S	F	Y	R	Q	N	G	E	P	Y	I	G	K	V	K	A	S	V	T	F	L	D	P	R	N	I	NTPPH-1
616	T	S	A	A	S	A	P	S	D	L	R	F	V	D	S	D	G	E	L	A	P	L	R	T	Y	G	M	F	S	V	D	L	R	A	P	G	S	A	E	Q	NTPPH-2
633	S	T	A	T	A	Q	T	D	L	N	F	I	N	D	E	G	D	T	F	P	L	R	T	Y	G	M	F	S	V	D	F	R	D	E	V	T	S	E	P	NTPPH-1	
656	L	Q	V	G	P	V	A	V	R	V	A	A	S	Q	I	H	M	P	G	H	V	E	A	L	K	L	W	S	L	N	P	E	T	G	L	W	E	E	E	S	NTPPH-2
673	L	N	A	G	K	V	K	V	H	L	D	S	T	Q	V	K	M	P	E	H	I	S	T	V	K	L	W	S	L	N	P	D	T	G	L	W	E	E	E	G	NTPPH-1
696	G	F	R	R	E	G	S	S	G	P	R	V	R	R	E	E	R	V	F	L	V	G	N	V	E	I	R	E	R	R	L	F	N	L	D	V	P	E	R	R	NTPPH-2
713	D	F	K	F	E	-	-	N	Q	R	R	N	K	R	E	D	R	T	F	L	V	G	N	L	E	I	R	E	R	R	L	F	N	L	D	V	P	E	S	R	NTPPH-1
736	R	C	F	V	K	V	R	A	Y	A	N	D	K	F	T	P	S	E	Q	V	E	G	V	V	T	L	V	N	L	E	P	A	P	G	F	S	A	N	P	NTPPH-2	
751	R	C	F	V	K	V	R	A	Y	R	S	E	R	F	L	P	S	E	Q	I	Q	G	V	V	I	S	V	I	N	L	E	P	R	T	G	F	L	S	N	P	NTPPH-1

FIGURE 2B



776	RAWGRFDS	AV	TG	PNG	AC	L	P	A	F	C	D	A	D	R	P	D	A	Y	T	A	L	V	T	A	T	L	G	G	NTPPH-2													
791	RAWGRFDS	VI	TG	PNG	AC	V	P	A	F	C	D	D	Q	S	P	D	A	Y	S	A	Y	V	L	A	S	L	A	G	NTPPH-1													
816	EEL	E	P	A	P	S	L	P	R	P	L	P	A	T	V	G	V	T	Q	P	Y	L	D	R	L	G	Y	R	R	T	D	H	D	D	P	A	F	K	NTPPH-2			
831	EEL	Q	A	V	E	S	S	P	K	F	N	P	N	A	I	G	V	P	Q	P	Y	L	N	K	L	N	Y	R	R	T	D	H	E	D	P	R	V	K	NTPPH-1			
856	R	N	G	F	R	I	N	L	A	K	P	R	P	G	D	P	A	E	A	N	G	P	V	Y	P	W	R	S	L	R	E	C	Q	G	A	P	V	T	A	S	NTPPH-2	
871	K	T	A	F	Q	I	S	M	A	K	P	R	P	N	S	A	E	E	S	N	G	P	I	Y	A	F	E	N	L	R	A	C	E	E	A	P	P	S	A	A	NTPPH-1	
896	H	F	R	F	A	R	V	E	A	D	K	Y	E	Y	N	V	V	P	F	R	E	G	T	P	A	S	W	T	G	D	L	L	A	W	P	N	P	Q	E	NTPPH-2		
911	H	F	R	F	Y	Q	I	E	G	D	R	Y	D	Y	N	T	V	P	F	N	E	D	D	P	M	S	W	T	E	D	Y	L	A	W	P	K	P	E	NTPPH-1			
936	F	R	A	C	F	L	K	V	K	I	Q	G	P	O	E	Y	M	V	R	S	H	N	A	G	G	S	H	P	R	T	R	G	Q	L	Y	G	L	R	D	A	NTPPH-2	
951	F	R	A	C	Y	I	K	V	K	I	V	G	P	L	E	V	N	V	R	S	R	N	M	G	G	T	H	R	R	T	V	G	K	L	Y	G	I	R	D	V	NTPPH-1	
976	R	S	V	R	D	P	E	R	P	G	T	S	A	A	C	V	E	F	K	C	S	G	M	L	F	D	Q	R	Q	V	D	R	T	L	V	T	I	M	P	Q	NTPPH-2	
991	R	S	T	R	D	R	D	Q	P	N	V	S	A	A	C	L	E	F	K	C	S	G	M	L	Y	D	Q	D	R	V	D	R	T	L	V	K	V	I	P	Q	NTPPH-1	
1016	G	S	C	R	R	V	A	V	N	G	L	L	R	D	Y	L	T	R	H	P	P	P	V	P	A	E	D	P	A	A	F	S	M	L	A	P	L	D	P	L	NTPPH-2	
1031	G	S	C	R	R	A	S	V	N	P	M	L	H	E	Y	L	V	N	H	L	P	L	A	V	N	N	D	T	S	E	Y	T	M	L	A	P	L	D	P	L	NTPPH-1	
1056	G	H	N	Y	G	V	Y	T	V	T	D	Q	S	P	R	L	A	K	E	I	A	I	G	R	C	F	D	G	S	S	D	G	F	S	R	E	M	K	A	D	NTPPH-2	
1071	G	H	N	Y	G	I	Y	T	V	T	D	Q	D	P	R	T	A	K	E	I	A	L	G	R	C	F	D	G	T	S	D	G	S	S	R	I	M	K	S	N	NTPPH-1	
1096	A	G	T	A	V	T	F	O	C	R	E	P	P	A	G	R	P	S	L	F	Q	R	L	L	E	S	P	A	-	-	T	A	L	G	D	I	R	-	-	-	NTPPH-2	
1111	V	G	V	A	L	T	F	N	C	V	E	R	Q	V	G	R	Q	S	A	F	Q	Y	L	Q	S	T	P	A	Q	S	P	A	A	G	T	V	Q	G	R	V	NTPPH-1	
1131	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	NTPPH-2		
1151	P	S	R	R	Q	Q	R	A	S	R	G	G	Q	R	Q	S	G	V	V	A	S	L	R	F	F	P	R	V	A	Q	Q	P	L	I	N	-	-	-	-	-	-	NTPPH-1

FIGURE 2C



Docket No.: PF-0420-2 DIV
Inventors: Magna et al.
Title: HUMAN NUCLEOTIDE PYROPHOSPHOHYDROLASE-2
Serial No.: 09/757,716

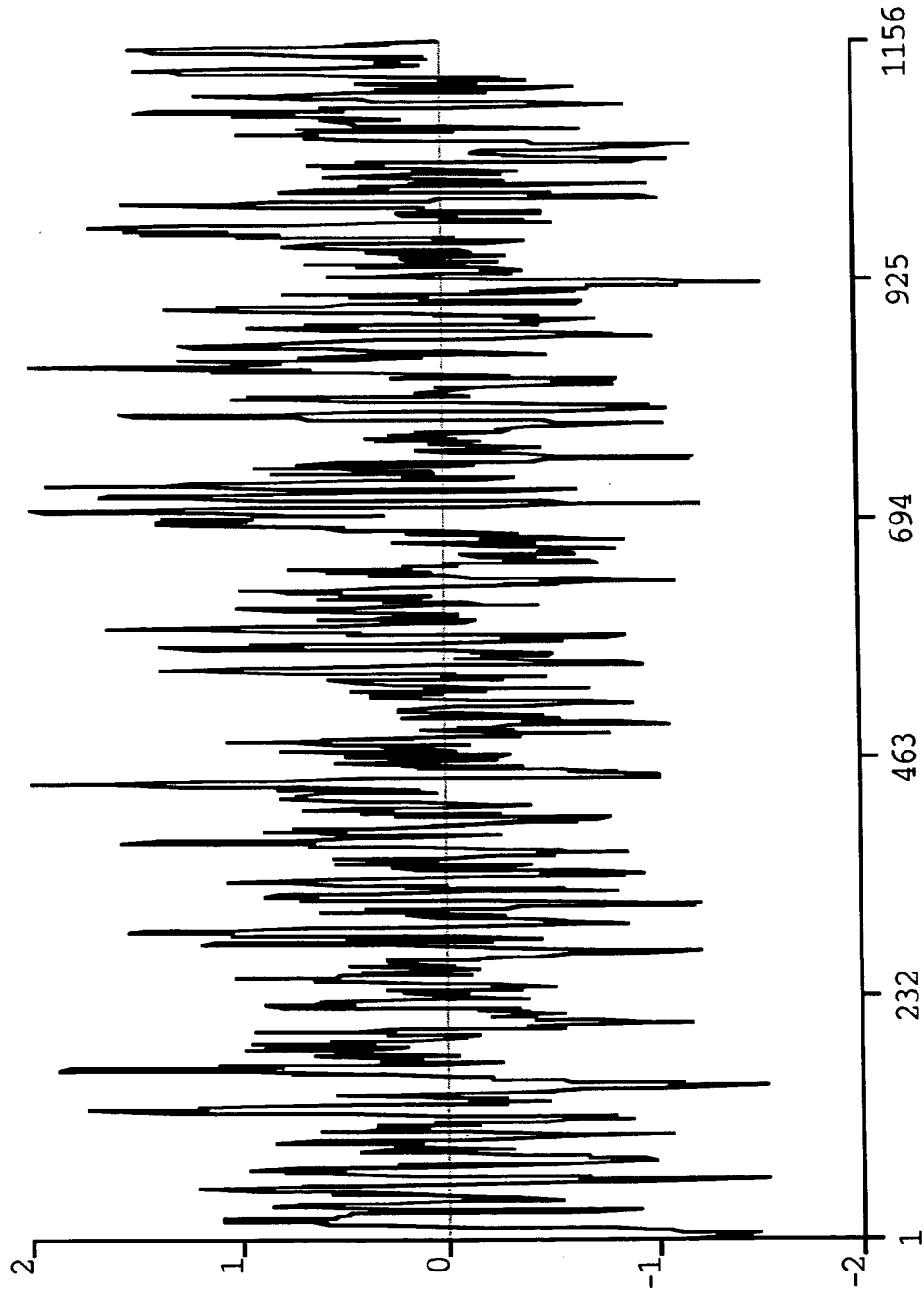


FIGURE 3A



Docket No.: PF-0420-2 DIV
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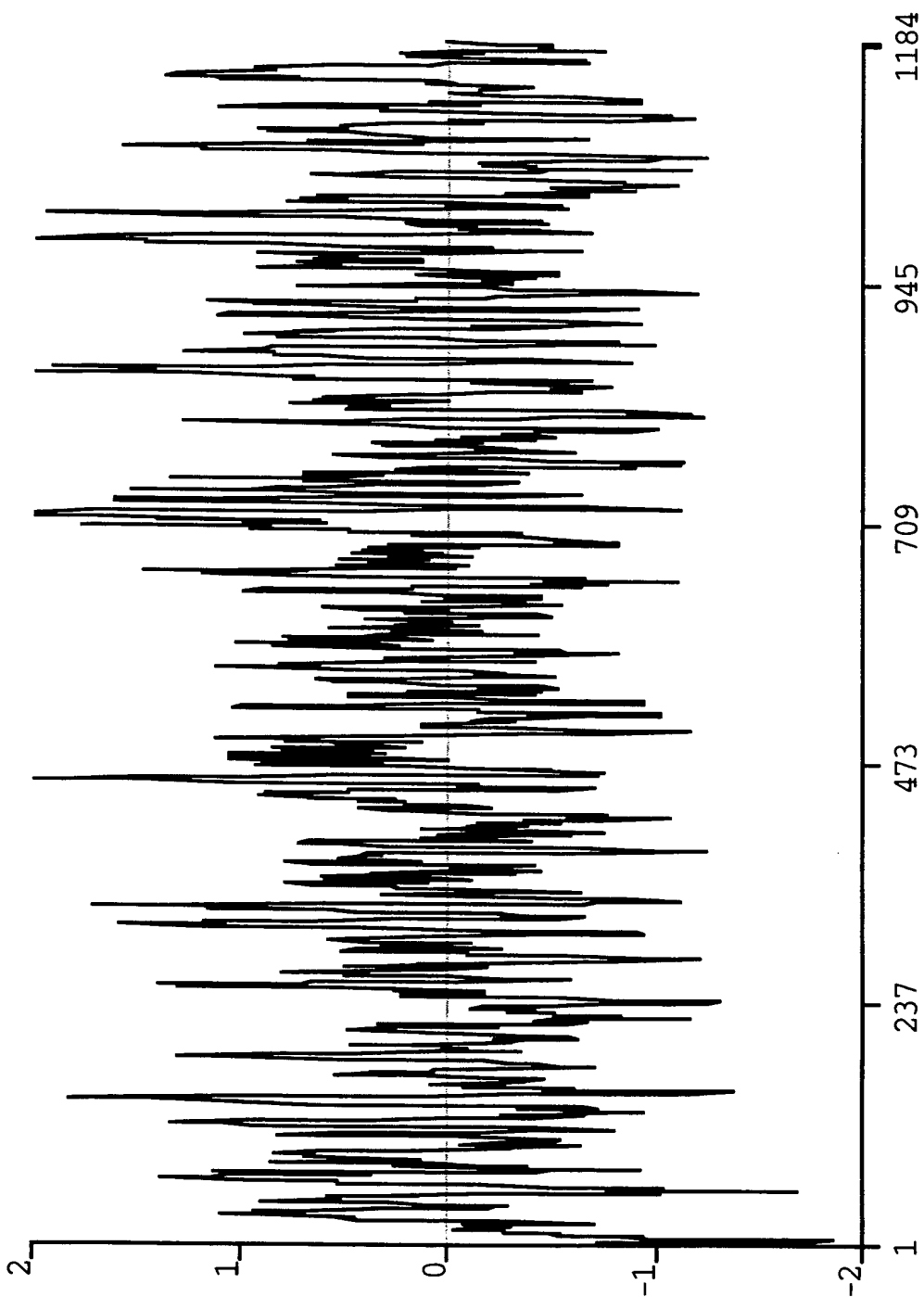


FIGURE 3B